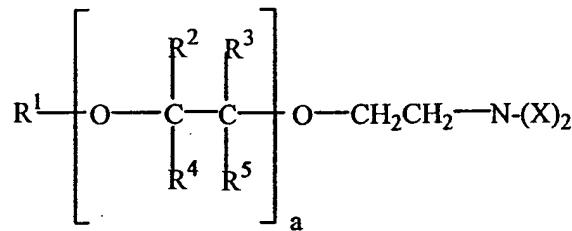
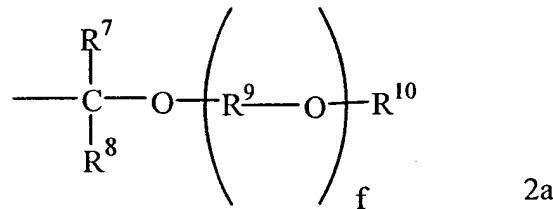


Amendments to and Listing of the Claims:

13. (Currently Amended) A gasoline additive for a direct injection gasoline engine which comprises a nitrogen-containing compound represented by the formula:



wherein R^1 is hydrogen, R^2 , R^3 , R^4 and R^5 are each independently selected from the group consisting of hydrogen, a C_1 - C_{16} hydrocarbon group and a group of the formula (2a) below, a is ~~an integer from 1 to 200~~ an integer from 26 to 30 and X is a group selected from Group B below, said formula (2a) being



wherein R^7 and R^8 are each independently selected from the group consisting of hydrogen, a C_1 - C_{10} hydrocarbon group and a C_2 - C_{10} alkoxyalkyl group, R^9 is a C_2 - C_6 alkylene group or a C_4 - C_{10} alkylene group having an alkoxyalkyl substituent, R^{10} is hydrogen or a C_1 - C_{30} hydrocarbon group, and f is an integer from 0 to 50;

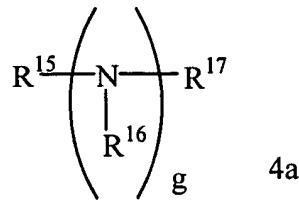
said Group B being constituted by

- (B1) hydrogen,
- (B2) a C_1 - C_{30} hydrocarbon group,
- (B3) an alkanol group represented by the formula



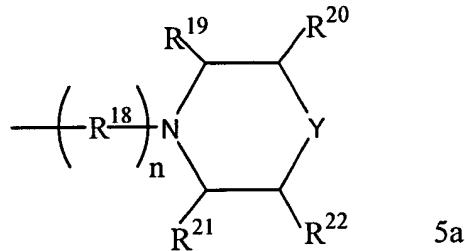
wherein R^{14} is a C_1 - C_6 alkylene group,

(B4) a nitrogen-containing group represented by the formula



wherein R¹⁵ is a C₂ - C₆ alkylene group, R¹⁶ is selected from the group consisting of hydrogen, a C₁ - C₄ alkyl group, and a group of the formula (3a), R¹⁷ is selected from the group consisting of hydrogen, a C₁ - C₃₀ hydrocarbon group and a group of the formula (3a), and g is an integer from 1 to 5, and

(B5) a group represented by the formula

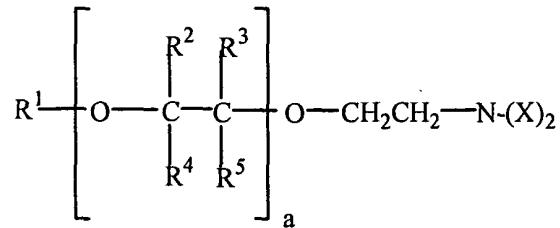


wherein R¹⁸ is a C₂ - C₆ alkylene group, R¹⁹, R²⁰, R²¹, and R²² are each independently selected from the group consisting of hydrogen, a C₁ - C₁₀ hydrocarbon group and a hydroxyl group, Y is selected from the group consisting of a methylene group and a methylene group substituted by either a C₁ - C₁₀ hydrocarbon group, a hydroxyl group, an imino group, an imino group substituted by a C₁ - C₁₀ hydrocarbon group or a hydroxy group, or oxygen, and h is equal to 0 or 1.

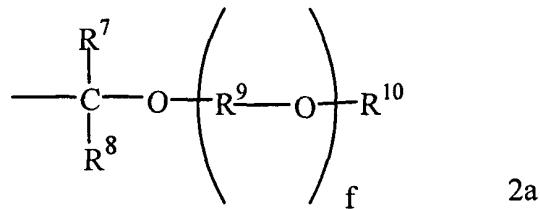
15. (Previously Presented) The gasoline additive according to claim 13, wherein R², R³, R⁴, and R⁵ are each independently selected from the group consisting of hydrogen, a C₁ - C₁₂ straight or branched alkyl group and a group represented by formula (2a) wherein R⁷ and R⁸ are each independently hydrogen or a C₁ - C₃ alkyl group, R¹⁰ is a C₁ - C₁₂ alkyl group, and f is equal to 0.

16. (Previously Presented) The gasoline additive according to claim 13, wherein X is (B1) or (B3) and wherein (B3) is a group represented by formula (3a) in which R¹⁴ is a C₂ - C₃ alkylene group.

17. (Currently Amended) A gasoline composition for use in a direct injection gasoline engine, which composition comprises gasoline and a nitrogen-containing compound represented by the formula:



wherein R^1 is hydrogen, R^2 , R^3 , R^4 and R^5 are each independently selected from the group consisting of hydrogen, a C_1 - C_{16} hydrocarbon group and a group of the formula (2a) below, a is an integer from 1 to 200 an integer from 26 to 30 and X is a group selected from Group B below, said formula (2a) being



wherein R^7 and R^8 are each independently selected from the group consisting of hydrogen, a C_1 - C_{10} hydrocarbon group and a C_2 - C_{10} alkoxyalkyl group, R^9 is a C_2 - C_6 alkylene group or a C_4 - C_{10} alkylene group having an alkoxyalkyl substituent, R^{10} is hydrogen or a C_1 - C_{30} hydrocarbon group, and f is an integer from 0 to 50;

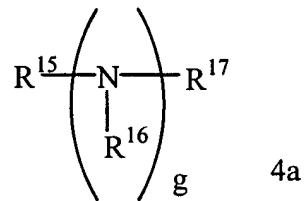
said Group B being constituted by

- (B1) hydrogen,
- (B2) a C_1 - C_{30} hydrocarbon group,
- (B3) an alkanol group represented by the formula



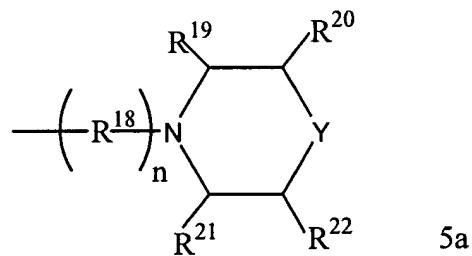
wherein R^{14} is a C_1 - C_6 alkylene group,

(B4) a nitrogen-containing group represented by the formula



wherein R¹⁵ is a C₂ - C₆ alkylene group, R¹⁶ is selected from the group consisting of hydrogen, a C₁ - C₄ alkyl group, and a group of the formula (3a), R¹⁷ is selected from the group consisting of hydrogen, a C₁ - C₃₀ hydrocarbon group and a group of the formula (3a), and g is an integer from 1 to 5, and

(B5) a group represented by the formula



wherein R¹⁸ is a C₂ - C₆ alkylene group, R¹⁹, R²⁰, R²¹, and R²² are each independently selected from the group consisting of hydrogen, a C₁ - C₁₀ hydrocarbon group and a hydroxyl group, Y is selected from the group consisting of a methylene group and a methylene group substituted by either a C₁ - C₁₀ hydrocarbon group, a hydroxyl group, an imino group, an imino group substituted by a C₁ - C₁₀ hydrocarbon group or a hydroxy group, or oxygen, and h is equal to 0 or 1.

18. (Previously Presented) The gasoline composition according to claim 17, wherein the nitrogen-containing compound is contained in an amount of 0.001 to 10 mass percent, based on the total composition.

19. (Cancelled)

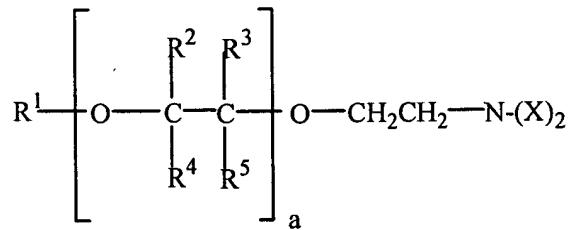
20. (Previously Presented) The gasoline composition according to claim 17, wherein R², R³, R⁴, and R⁵ are each independently selected from the group consisting of hydrogen, a C₁ - C₁₂ straight or branched alkyl group and a group represented by formula (2a) wherein R⁷ and R⁸ are each independently hydrogen or a C₁ - C₃ alkyl group, R¹⁰ is a C₁ - C₁₂ alkyl group, and f is equal to 0.

21. (Previously Presented) The gasoline composition according to claim 17, wherein X is (B1) or (B3) and wherein (B3) is a group represented by formula (3a) in which R¹⁴ is a C₂ - C₃ alkylene group.

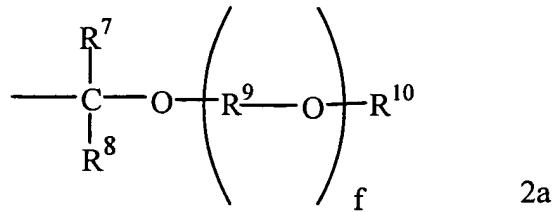
22. (Cancelled)

23. (Cancelled)

24. (Currently Amended) A method for controlling deposits formed in a combustion chamber of a direct injection gasoline engine, the method comprising using a gasoline composition which comprises gasoline and a nitrogen-containing compound represented by the formula



wherein R¹ is hydrogen, R², R³, R⁴ and R⁵ are each independently selected from the group consisting of hydrogen, a C₁ - C₁₆ hydrocarbon group and a group of the formula (2a) below, a is ~~an integer from 1 to 200~~ ~~an integer from 26 to 30~~ and X is a group selected from Group B below, said formula (2a) being



wherein R⁷ and R⁸ are each independently selected from the group consisting of hydrogen, a C₁ - C₁₀ hydrocarbon group and a C₂ - C₁₀ alkoxyalkyl group, R⁹ is a C₂ - C₆ alkylene group or a C₄ - C₁₀ alkylene group having an alkoxyalkyl substituent, R¹⁰ is hydrogen or a C₁ - C₃₀ hydrocarbon group, and f is an integer from 0 to 50;

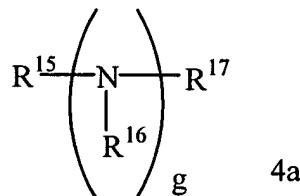
said Group B being constituted by

- (B1) hydrogen,
- (B2) a C₁ - C₃₀ hydrocarbon group,
- (B3) an alkanol group represented by the formula



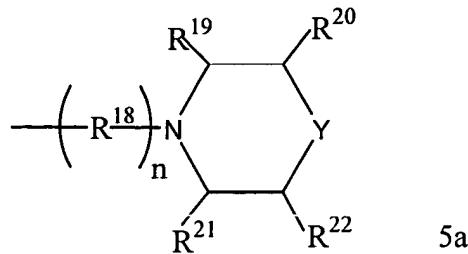
wherein R¹⁴ is a C₁ - C₆ alkylene group,

- (B4) a nitrogen-containing group represented by the formula



wherein R¹⁵ is a C₂ - C₆ alkylene group, R¹⁶ is selected from the group consisting of hydrogen, a C₁ - C₄ alkyl group, and a group of the formula (3a), R¹⁷ is selected from the group consisting of hydrogen, a C₁ - C₃₀ hydrocarbon group and a group of the formula (3a), and g is an integer from 1 to 5, and

- (B5) a group represented by the formula



wherein R^{18} is a $C_2 - C_6$ alkylene group, R^{19} , R^{20} , R^{21} , and R^{22} are each independently selected from the group consisting of hydrogen, a $C_1 - C_{10}$ hydrocarbon group and a hydroxyl group, Y is selected from the group consisting of a methylene group and a methylene group substituted by either a $C_1 - C_{10}$ hydrocarbon group, a hydroxyl group, an imino group, an imino group substituted by a $C_1 - C_{10}$ hydrocarbon group or a hydroxy group, or oxygen, and h is equal to 0 or 1.

25. (Previously Presented) The method according to claim 24, wherein the nitrogen-containing compound is contained in the gasoline composition in an amount of 0.001 to 10 mass percent, based on a total mass of the composition.

26. (Previously Presented) The method according to claim 24, wherein R^2 , R^3 , R^4 , and R^5 are each independently selected from the group consisting of hydrogen, a $C_1 - C_{12}$ straight or branched alkyl group and a group represented by formula (2a) wherein R^7 and R^8 are each independently hydrogen or a $C_1 - C_3$ alkyl group, R^{10} is a $C_1 - C_{12}$ alkyl group, and f is equal to 0.

27. (Previously Presented) The method according to claim 24, wherein X is (B1) or (B3) and wherein (B3) is a group represented by formula (3a) in which R^{14} is a $C_2 - C_3$ alkylene group.

28. (Cancelled)